CLASSIFICATION

SEGNET

CENTRAL INTELLIGENCE AGENCY
INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

50X1-HUM

COUNTRY

DATE OF

INFORMATION

SUBJECT

Economic; Technological - Turbine machinery

1950

HOW

Г

PUBLISHED Daily newspapers

DATE DIST, 30 Nov 1950

WHERE

PUBLISHED USSR

NO. OF PAGES

DATE

PUBLISHED

15 - 26 Aug 1950

LANGUAGE

Russian

SUPPLEMENT TO

REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE MATIONAL DEFENSE OF THE UMITED STATES WITHIN THE MEANING OF ESPICIAGE ACT SO U.S. C., 31 AND 32,2A SEARCHEOL, 1ST STANMINISION OF THE REVELAND OF ITS CONTENTS IN ANY MARKER TO AN UNAUTHORIZED PERSON IS PRO-MISTED BY LAW. REPRODUCTION OF THIS FORM IS PROMISTED.

THIS IS UNEVALUATED INFORMATION

SOURCE

Newspapers as indicated.

AERODYNAMICS DEPARTMENT AIDS TURBINE BUILDERS; DEVELOP NEW TURBOPUMP

PERFORM EXPERIMENTAL WORK FOR PLANT -- Leningradskaya Pravda, 23 Aug 50

The Department of Aerodynamics of the Leningrad Polytechnical Institute is carrying out an experimental project for the Leningrad Plant imeni Stalin.

NEW TURBOPUMP GOES INTO PRODUCTION -- Riga, Sovetskaya Latviya, 15 Aug 50

The Riga Turbine Machinery Plant has turned to the production of a new complex turbopump, the PT-29-200. Designed to feed water to boilers, the unit consists of a high-pressure pump and a steam turbine, which drives it. The steam turbine is the first one to be built in a Latvian plant.

The first models of these turbopumps will be sent to the Kuybyshev and Orekhovo-Zuyevo power stations.

Moscow, Trud, 15 Aug 50

The Riga Turbine Machinery has begun series production of a 1,000-kilowatt hydroturbine. Machines of the series will be sent to rural, interkolkhoz, and rayon hydroelectric stations.

RECENT EFFORTS PUT PLANT ON PROFIT BASIS -- Moscow, Pravda, 26 Aug 50

The plant party committee and the shop party organizations of the Leningrad Kirov Plant imeni Lenin have initiated a campaign to increase the useful life of machine tools through greater care in operation and more rigorous maintenance schedules. So far, 820 machinists are participating in the effort.

In the plant's open-hearth section, production is growing from month to month, with 70-80 percent of the smelting being carried out under the so-called high-speed method. This high-speed method has brought about a considerable increase over the

		_		CI	Α:	<u>SSI</u> FICA	TION		Ž	GBET	•				
STATE		Q	NAVY		\overline{X}	NSRB	T	- 1-	DISTR	BUTION		 _	· ·	 	
ARMY	_2	Ω	AIR		abla	FB!			1	1	-	 +-	 -	 L	
		•		_	_						—	 ᅩ	L	 L.,	

SEGNET

50X1-HUM

prewar productivity of open-hearth furnaces, saved hundreds of tons of fuel oil, and by comparison with last year, has reduced the cost of a one-ton ingot by 138 rubles and the cost of a ton of shaped casting by 620 rubles. Aided by the Polytechnical Institute imeni Kalinin, the plant saved over one million rubles' worth of metal while competing with the Novo-Kramatorsk Plant and some Moscow plants.

By comparison with last year, the output of turbines and air blowers was doubled during the first half of 1950. The planned turnover of working capital was exceeded, while the cost of production was reduced 19.5 percent during 5 months of this year. The plant began to run at a profit.

An active plant party committee has come to the aid of innovators whose suggestions often went the long way through the design section to be "studied" and "ironed out." Since this procedure dampened the enthusiasm of the innovators, the committee obliged the chief designer to give assurances that innovators' suggestions would receive prompt consideration and translation into action. Now, the more important and valuable suggestions are taken up before the sessions of the plant technical council.

Various methods are employed in the dissemination of approved suggestions. Agitators play an active role; they include Stakhenovites, foremen, and engineers in their ranks. A lecture group, comprising the plant's most highly qualified engineers and scientists of the city, meets regularly. During the past year, 68 lectures on technical subjects were delivered.

Stakhanovites, foremen, and engineers make frequent excursions through other Leningrad plants to learn new technological methods. This year, 28 such excursions were made, while other enterprises visited the Kirov Plant imeni Lenin, to demonstrate their methods. In the turbine shop, for example, a machinist from the Metal Plant imeni Stalin recently gave instructions in high-speed cutting methods.

Display stands are widely used, illustrating foundry tools, precision-casting methods, cold-working methods, and other subjects. Movies on technical subjects are frequently shown at the plant. There is an extensive program of technical studies, including special foremen's courses. An affiliate of the evening tekhnikum has been started at the plant.

CUT SMELTING TIME, SAVE STEEL -- Moscow, Izvestiya, 19 Aug 50

The Leningrad Nevskiy Plant imeni Lenin has reduced the time for smelting a batch of metal in its electric furnaces 30 minutes below the norm, and has saved hundreds of tons of steel in excess of the plan.

BUILD MACHINES FROM SAVED MATERIALS -- Moscow, Izvestiya, 23 Aug 50

The Sverdlovsk Ural Turbomotor Plant has been producing in excess of the plan during the past $1\frac{1}{2}$ months, while it is building every fifth aggregate from saved materials.

Hundreds of machinists are applying high-speed cutting methods. A special cutter and fitting designed and built at the plant have made it possible to machine disks on one machine tool, taking only $\frac{1}{4}$ hours for the operation. Under the old method, this operation took 32 hours, and two machine tools had to be used.

-END-

- 2 -

SECRET